



Espacenet

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### BODY FAT MEASURING INSTRUMENT

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### Abstract of JP 9051884 (A)

**PROBLEM TO BE SOLVED:** To measure a living body electric impedance more accurately.  
**SOLUTION:** This body fat measuring instrument comprises a measurement processing part 2, a CPU 3 and a display part 4. The measurement processing part 2 comprises a measuring signal generator 72 which generates a measuring signal  $I_a$  whose frequency sweeps in a prescribed range and sends it to a living body, a differential amplifier 81 which detects potential difference and current generated in the hands and legs of the living body at every frequency based on the measuring signal  $I_a$ , low-pass filters 82, 92, A/D converters 83, 93, and sampling memory 84, 94 which store voltages digitized by the A/D converters 83, 93 at every frequency. The CPU 3 calculates the living body electric impedance between the parts of the living body at every frequency based on digital voltages stored in the sampling memory 84, 94 at every frequency, and calculates the living body electric impedance and body fat quantity to be found from a calculated result, etc. The display part 4 displays the living body electric impedance and the body fat quantity, etc.

